SEMESTER END EXAMINATION, April-May, 2026

Course Name: - B.Tech | Semester:- 2nd

Paper Name: - Environmental Science | Paper Code:- NVA-203

Time - 3 Hrs + 20 minutes per hour extra time for V.I. & examinees with writer. | Max Marks-70

Instructions:

- The question paper consists of three sections namely A, B, C. All sections are compulsory.
- Section A- Each question carries **3 mark. All questions are compulsory.**
- Section B- Answer any **5 out of 7** given questions. Each question carries **7 marks.**
- Section C- Answer any **2 out of 3** given questions, Each question carries **10 marks.**

Section – A
Objective Questions

1. **Answer allthe following questions.** 5x3 =15

i) The energy produced by the hydro-power plant is

(a) Non-polluting and non-renewable

(b) Polluting and non-renewable

(c) Non-polluting and renewable

(d) Polluting and renewable

ii) The 10% energy transfer law in a food chain was given by:

(a) Ernst Haeckel

(b) Lindeman

(c) E.P. Odum

(d) A G Tansley

iii) Which of the following best defines biodiversity?

(a) The variety of ecosystems only

(b) The variety of genes only

(c) The variety of species, genes & ecosystem

(d) The number of individuals in a species

iv) How many different types of primary pollutants together contribute to about 90 per cent of the global air pollution?

(a) Three

(b) Two

(c) Seven

(d) Five

v) Wildlife protection act came into force on

(a) 1972

(b) 1981

(c) 1974

(d) 1986

Section – B
Short Answer Questions

2. Answer any five of the following questions. 5x7=35

i. Describe the four sphere of the Earth.

ii. What is Green Chemistry? What are the 12 principles of Green Chemistry?

iii. Explain the Ecological Pyramid and its types in detail.

iv. What are the objectives, functions and powers of Water Pollution & Control Act?

v. What are the 10 biogeographic zones of biodiversity in India?

vi. Explain the formation of Acid rain. What are the causes and effect of Acid rain?

vii. Discuss in brief about the Chipko movement.

Section – C
Descriptive Questions

3. Answer any two of the following question. 2x10=20

i) Explain the Solid waste management procedure.

ii) Discuss any one in brief: Project Tiger or Project Crocodile.

iii) What is Soil Pollution? Explain the causes, effect and control method to prevent Soil pollution.

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